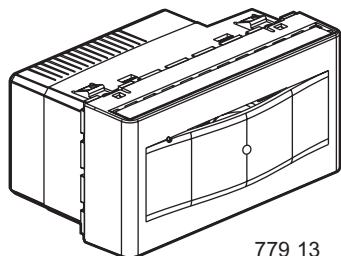
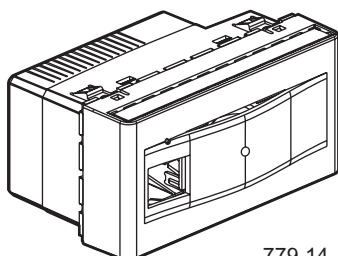


Mosaic™ WiFi access points

Cat. No(s) : 779 13/14



779 13



779 14

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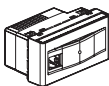
1. USE

The WiFi access point allows any computer equipped with a WiFi 802.11b, 802.11g or 802.11a card to access a network, without being connected to a socket outlet. WiFi data exchange between the computers and the access point are encrypted using WEP, WPA or WPA2 (standard 802.11i) protocols in order to prevent any possibility of the data being pirated and to limit network access to authorized computers only.

The access point provides a max. flow rate of 54Mbps according to standard 802.11g.

For Cat. No. 779 14, you can connect a computer, Switch or other device via its front face RJ45 connector (this front face RJ45 socket is not PoE supplied).

2. RANGE

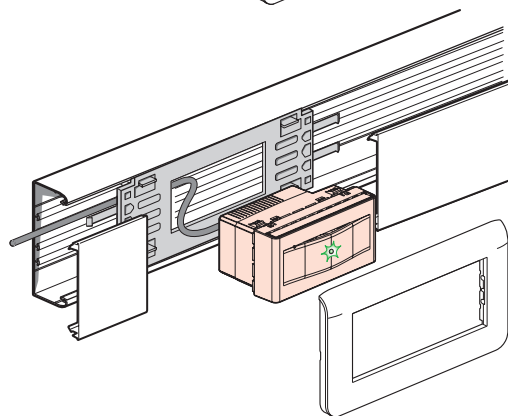
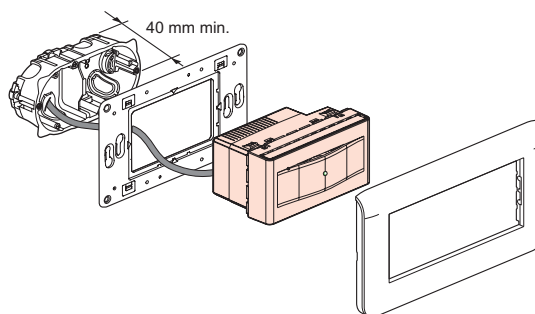
	Designation	Cat. No.	Number of modules	Weight
	WiFi access point 802.11 a and 802.11 b/g dual band	779 13	4	94 g
	WiFi access point 802.11 a and 802.11 b/g dual band	779 14	4	95 g

3. MOUNTING

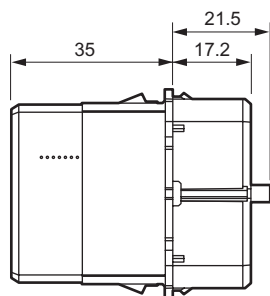
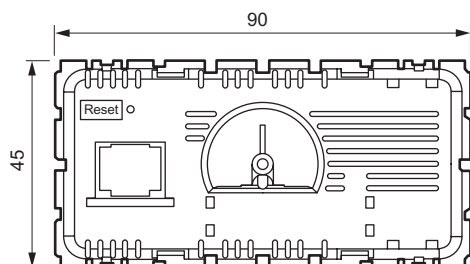
Direct mounting by clipping onto trunking, and distribution columns for Mosaic™ wiring devices; and flush-mounting in Batibox boxes with a depth of 40 mm minimum.

The mechanisms can be flush-mounted or surface-mounted.

The height at which an access point is installed on a wall has no effect on range and flow rate.

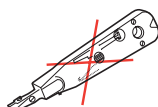
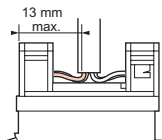
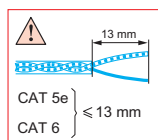


4. OVERALL DIMENSIONS

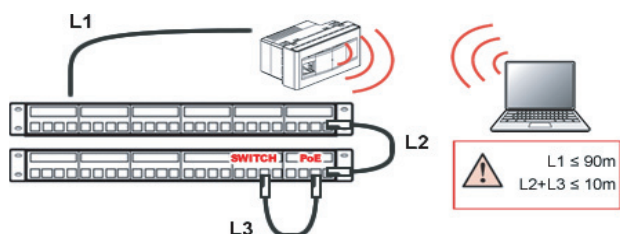


5. CONNECTION

The installation only requires an Ethernet cable to be fitted as its 48-V power supply is routed via this cable (PoE standard 802.3af). Connection to the network cable (Cat. 5 min.) is made using tool-free connectors in exactly the same way as for other Legrand RJ45 sockets.



Tool-free cable connection.



6. GENERAL CHARACTERISTICS

Access point can be parametered and administered via an intuitive web interface. A rapid configuration method allows the administrator to configure the access point (WPA encryption) with just one click.

Option of automatic date/time setting.

Configuration save and recovery.

Free updating of firmware available on the Legrand website.

Access point can be configured using tools on a CD-ROM.

- **Number of antennae** : two omnidirectional antennae are integrated with the product.

- **Ethernet interface** : 10/100 Base T, RJ45, tool-free connection.

- **WiFi interface** : the access point provides simultaneous operation in 802.11b/g 2.4 GHz and in 802.11a 5GHz.

- **RJ45 socket** outlet integrated (can be deactivated) with VLAN management.

- **Transmission frequencies** (channels) can be automatically adapted according to the country of use.

- **Frequency band** : - **802.11b/g** : 2.4 GHz ISM to 2.48 GHz ISM
- **802.11a** : 15 GHz to 5.85 GHz UNII

- **Adjustable transmitting power** (from 0 to 63 mW), in order to decrease or increase the coverage area, thereby increasing WiFi terminal density.

- **Power supply** : PoE (Power over Ethernet).

The 48-V power supply is delivered via the Ethernet cable, standard 802.3af. This power supply is not supplied with the product.

- **UPnP** : Compatible

- **SSID** : up to 12 SSID per access point.

- **Gestion SNMPv1 and SNMPv2c**, MIB-I, MIB-II, 802.11-MIB management.

- **Administration interface** : HTTP, HTTPS.

- **Static or dynamic IP addressing** (DHCP)

- **Authentication** : 802.1x (EAP TLS, EAP TTLS, PEAP).

- **Encryption** (sorted from least to most secure) :

Open	no protection
Static WEP	minimum protection level
WEP-802.1x	also referred to as dynamic WEP, requires a Radius server
WPA-PSK	(TKIP encryption)
WPA-802.1x	TKIP encryption, requires a Radius server
WPA2-PSK	also referred to as 802.11i, AES encryption
WPA2-802.1x	also referred to as 802.11i, AES encryption, requires a Radius server

Minimum protection level recommended : WPA-PSK

- **VLAN trunking 802.1q support**

- **Support for SSID assignment of VLAN**

- **Service class support** (standard WMM for MultiMedia WiFi), e.g. for voice over IP (VoIP).

6.1 Material characteristics

• Faceplate

White polycarbonate

6.2 Climatic characteristics

- Operating temperature : + 5°C to + 40°C

- Storage temperature : 0°C to + 60°C

- Maximum humidity during operation : 85 %

- Maximum storage humidity : 85 %

6. GENERAL CHARACTERISTICS (cont'd)

6.3 Electrical characteristics

• Connector

- Permissible conductors :
- Single-strand : 0.5-0.65 mm, AWG 24-22
 - Polyethylene conductor insulator : max. Ø on insulator 1.5 mm.
- Number of wires to be connected per connection : 1
 Max. number of connections and disconnections : 5 including 2 without refreshing the wire.
 Breakdown voltage : 1000 V
 Contact resistance : 20 MOhms
 Insulation resistance : 500 MOhms under 100 V DC.

• Faceplate

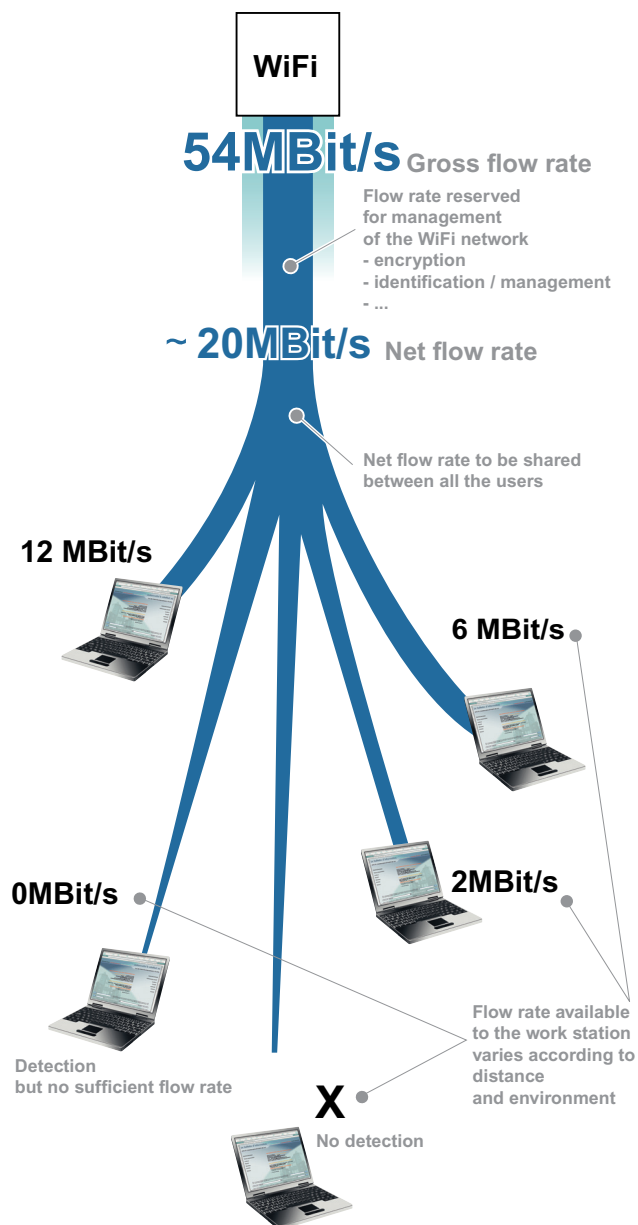
Self-extinguishing : 750°C / 5 s.

Caution : This product must be power supplied via PoE (not supplied), which must be conform to standard 802.3af.

7. ADDITIONAL INFORMATION

Principle of reduced flow rate due to management of the WiFi network, user sharing, distance and environment.

Example under 802.11g :



8. WEB INTERFACE

The access point has a web interface for intuitive administration of the access point, and for controlling or administering the following :

- radio (transmitting power), frequency (channel), (on/off),
- connected users,
- VLAN,
- IP addressing,
- SSID (up to 12 SSID per access point),
- encryption method and corresponding passwords,
- administrator access,
- transfer of authentication to a Radius server,
- authorized users,
- software updates (firmware).

9. STANDARDS

The access point is compatible with the following standards :

- **802.3af** : Power over Ethernet (PoE) - Supply via the Ethernet cable
- **802.11a** : radio transmission standard
- **802.11b** : radio transmission standard
- **802.11g** : radio transmission standard
- **802.1x** : Identification standard (EAP TLS, EAP TTLS, PEAP). Identification is managed by a Radius server.
- **802.1q** : VLAN trunking
- **802.11i** : Encryption method for transmitted data, also referred to as WPA2.
- **WMM service class** : Service quality support, e.g. for voice over IP (VoIP)
- **EN 300 328**
- **EN 301 489-1**
- **EN 301 489-17**
- **EN 301 893**
- **EN 60669-2-1**
- **EN 60950**

10. ACCESSORIES

Power over Ethernet (PoE) injectors for electric power supply.

327 37	Power over Ethernet (PoE) injector 1 port, for supplying one access point
327 17	Power over Ethernet (PoE) injector 4 ports, for supplying 2 access points